

Administrative Record Index¹

EPA Decision Regarding Changes to the Phase 1 Engineering Performance Standards, the Phase 1 Quality of Life Performance Standards, the Statement of Work, and the Scope of Phase 2 Pursuant to Paragraph 15.b of Consent Decree in *United States v. General Electric Co.*, 1:05-cv-01270 (N.D.N.Y.)

1. Goodman, L.A. 1960. *On the exact variance of products*. Journal of the American Statistical Association 55:708-713.
2. Cochran, W.G. 1977. *Sampling Techniques*. John Wiley and Sons, New York, NY
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6. *Ambient Monitoring Guidelines for the Prevention of Significant Deterioration (PSD)*. EPA450/4-87-007. U.S. EPA, Office of Air Quality Planning and Standards, Research Triangle Park, NC. 1987
7. *Engineer Manual for Design, Installation and Utilization of Fixed-Fenceline Sample Collection and Monitoring Systems (FFMS)*. Manual No. 200-1-5. U.S. Army Corps of Engineers (1997).
8. Shafer, D.J. and D. J. Yozzo. 1998. *National Guidebook for Application of Hydrogeomorphic Approach to Assessment to Tidal Fringe*. Technical Report WRP-DE-16, U.S. Army Engineer Research and Development Center, Vicksburg, MS.
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10. Palermo, M.R., J.E. Clausner, M.P. Rollings, G.L. Williams, T.E. Myers, T.J. Fredette, and R.E. Randall. 1998. *Guidance for Subaqueous Dredged*

¹ Note: Policy and guidance documents, technical literature, and analytical data referenced in this Index may be obtained, upon request, from EPA Region 2's Hudson River Field Office at (518) 747-4389 or (866) 615-6490.

Material Capping. Technical Report DOER-1, U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS.

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12. *EPA Meteorological Monitoring Guidance for Regulatory Modeling Applications*. EPA-454/R-99 (2000)
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15. December 2000 EPA Hudson River PCBs Site Reassessment Phase 3 Report: Feasibility Study (FS).
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18. *EPA Requirements for Quality Assurance Project Plans* (EPA QA/R-5) (2001).
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21. Winter, T. C. 2002. *Subaqueous capping and natural recovery: Understanding the hydrogeologic setting at contaminated sites*, DOER

22. February 2002 EPA Record of Decision for the Hudson River PCBs Superfund Site
23. February 12, 2002 EPA Memorandum re: Principles for Managing Contaminated Sediment Risks at Hazardous Waste Sites, OSWER Directive 9285.6-08.
24. July 23, 2002 Administrative Order on Consent for sediment sampling, Index No. CERCLA-02-2002-2023
25. All monthly progress reports submitted to EPA by GE pursuant to Administrative Order Index No. CERCLA-02-2002-2023
26. Clairain, E.J. Jr. 2002. *Hydrogeomorphic Approach to Assessing Wetland Functions: Guidelines for Developing Regional Guidebook*, Chapter 1, Introduction and Overview of the Hydrogeomorphic Approach. ERDC/EL TR-02-3. U.S. Army Engineer Research and Development Center, Vicksburg, MS.
27. Environmental Standards, Inc. and Quantitative Environmental Analysis, LLC, 2002. *Design Support Sediment Sampling and Analysis Program, Quality Assurance Project Plan*.
28. GE Revised Health and Safety Plan for the Hudson River PCBs Superfund Site. (2003)
29. May 2003. GE Hudson River Baseline Monitoring Program Scoping Document.
30. August 18, 2003 Administrative Order for Remedial Design and Cost Recovery, Index No. CERCLA-02-2003-2027, including attached Remedial Design Work Plan
31. All monthly progress reports submitted to EPA by GE pursuant to Administrative Order on Consent for Remedial Design and Cost Recovery, Index No. CERCLA-02-2003-2027
32. August 2003 GE Cultural and Archeological Resources Assessment Work Plan
33. August 2003 GE Habitat Delineation and Assessment Work Plan
34. February 2004 GE Supplemental Engineering Data Collection Work Plan
35. February 2004 GE Treatability Studies Work Plan
36. April, 2004. EPA *Engineering Performance Standards* for the Hudson River PCBs Superfund Site.

37. April 15, 2004 GE (Haggard) to EPA (Garbarini) correspondence re: Invocation of Dispute Resolution on EPA's Directions and Comments on Phase 1 Dredge Area Delineation and Phase 1 Target Area Identification Report
38. May 2004 *Quality of Life Performance Standards* for the Hudson River PCBs Site
39. May 21, 2004 GE (Ramsey) to EPA (Kenny) – Phase 1 Dredge Area Delineation and Phase 1 Target Area Identification Report, including attached presentation/figures/tables
40. May 28, 2004 Quality Assurance Project Plan for Hudson River Baseline Monitoring Program
41. July 22, 2004 EPA *Final Decision Regarding General Electric Company's Disputes on Draft Phase 1 Dredge Area Delineation Report and Phase 1 Target Area Identification Report*
42. Scope of Work - Pilot Studies for Automated Near- and Far-Field Water Column Sampling. Prepared for General Electric Company (2005).
43. Habitat Delineation Report. Hudson River PCBs Superfund Site. (GE 2005)
44. 2005 GE Habitat Assessment Report for Candidate Phase 1 Areas. Hudson River PCBs Superfund Site.
45. February 28, 2005 GE Phase 1 Dredge Area Delineation Report.
46. GE 2004 Baseline Monitoring Program – Data Summary Report April 1, 2005
47. April 2005 GE Archaeological Resources Assessment Report for Phase 1 Dredge Areas, Hudson River PCBs Superfund Site
48. September 2005 Supplemental Habitat Assessment Work Plan
49. October 2005 Terrestrial Archaeological Survey Report: Addendum I to Archaeological Resources Assessment Report for Phase 1 Dredge Areas, Hudson River PCBs Superfund Site prepared for GE by URS Corporation
50. October 19, 2005 GE (Haggard) to EPA (Pavlou): Hudson Nominations for the Peer Review Selector – Hartman and Engler attachment
51. GE Phase 1 Intermediate Design Report, Hudson River PCBs Superfund Site (2005)

52. Work Plan - Development of a Semi-Quantitative Surrogate Relationship for Suspended Solids. Prepared by QEA for General Electric Company, Albany, NY. (2005)
53. GE Scope of Work - Pilot Studies for Automated Near- and Far-Field Water Column Sampling. (2005)
54. December 2005 EPA Contaminated Sediment Remediation Guidance for Hazardous Waste Sites (EPA-540-R-05-012)
55. Bailey, S. E., and Palermo, M. R. (2005). "Equipment and Placement Techniques for Subaqueous Capping," *DOER Technical Notes Collection* (ERDC TN-DOER-R9), U.S. Army Engineer Research and Development Center, Vicksburg, MS.
56. January 31, 2006 GE Underwater Archaeological Survey Report: Addendum II to Archaeological Resources Assessment Report for Phase 1 Dredge Areas, Hudson River PCBs Superfund Site (Revised Version)
57. February 7, 2006 GE Terrestrial Archaeological Survey & Testing Report: Addendum I to Archaeological Resources Assessment Report for Phase 1 Dredge Areas, Hudson River PCBs Superfund Site
58. March 21, 2006 GE Phase 1 Final Design Report
59. March 21, 2006 Phase 1 Environmental Monitoring Plan
60. March 21, 2006 GE Phase 1 Adaptive Management Plan and Attachments
61. March 29, 2006 Draft for Review – Phase 2 Dredge Area Delineation Report
62. 2005 Baseline Monitoring Program – Data Summary Report (March 31, 2006)
63. May 17, 2006, Submission Requesting Entry of Consent Decree by United States of America filed in Case: 1:05-cv-01270-DNH-DRH with all attachments, including Memorandum of Law in Support of Submission Requesting Entry of Consent Decree
64. May 26, 2006 Supplemental information air emission model – Attachment 1 of GE Final Design Report
65. July 17, 2006 Notice by General Electric Company re: Settlement Agreement, Statement of GE in response to the US Submission Requesting Entry of Consent Decree filed in Case: 1:05-cv-01270-DNH-DRH
66. September 14, 2006 GE Underwater Archaeological Resources Documentation Report with Appendix for Phase 1 Dredge Areas, Hudson River PCBs Superfund Site

67. October 5, 2006 GE Work Support Marina Archaeological Survey Report: Hudson River PCBs Superfund Site
68. October 31, 2010 Work Support Marina – Final Design Report
69. November 2, 2006 Memorandum Decision and Order filed in Case: 1:05-cv-01270-DNH-DRH that the proposed Consent Decree is Approved; and the approved Consent Decree, filed simultaneously herewith, constitutes a Final Judgment Pursuant to FRCivP 54(b).
70. November 2, 2006 Consent Decree with attachments entered in *United States v. General Electric Co.*, 1:05-cv-01270-DNH-DRH (N.D.N.Y.)
71. All monthly progress reports submitted to EPA by GE pursuant to the Consent Decree entered in *United States v. General Electric Co.*, 1:05-cv-01270-DNH-DRH (N.D.N.Y.)
72. All monthly reports of citizen complaints submitted to EPA by GE pursuant to the Consent Decree entered in *United States v. General Electric Co.*, 1:05-cv-01270-DNH-DRH (N.D.N.Y.)
73. November 7, 2006 Order filed in Case: 1:05-cv-01270 – DNH-DRH Amending the sentence starting on page 14 line 13 in the Memorandum – Decision & Order filed on 11/2/2006.
74. November 9, 2006 EPA *Final Decision Regarding General Electric Company's Disputes Regarding EPA's June 23, 2006 Comments on Phase 1 Final Design Report*
75. December 15, 2006 GE Terrestrial Archaeological Survey & Testing Report Additional Testing at Area L: Site A09113.000072 Updated to Addendum I of the Archaeological Resources Assessment Report for Phase 1 Dredge Areas Hudson River PCBs Superfund Site
76. December 22, 2006 GE Hudson River Sediment Remediation Phase 1 Project Specifications Contract 2 – Rail Yard Construction
77. December 29, 2006 GE Hudson River Sediment Remediation Phase 1 Project Specifications Contract 1 – Facility Site Work Construction
78. January 26, 2007 Remedial Action Work Plan – Phase 1 Facility Site Work Construction
79. January 26, 2007 Remedial Action Health & Safety Plan - Phase 1 Facility Site Work Construction
80. January 26, 2007 GE Quality Control/Quality Assurance Plan – Phase 1 Facility Site Work Construction

81. January 30, 2007 GE Hudson River Sediment Remediation Phase 1 Project Specifications Contract 3A – Processing Facility Construction
82. February 28, 2007 Remedial Action Work Plan – Phase 1 Processing Equipment Installation
83. February 28, 2007 Remedial Action Health & Safety Plan - Phase 1 Facility Site Work Construction – Supplement – Appendix A
84. March 26, 2007 GE Hudson River Sediment Remediation Phase 1 Project Specifications Contract 3B – Processing Facility Operations
85. March 26, 2007 GE Hudson River Sediment Remediation Phase 1 Project Specifications Contract 6 – Rail Yard Operations for GE by MHF Logistical Solutions, Inc.
86. 2006 Baseline Monitoring Program – Data Summary Report (March 30, 2007)
87. April 6, 2007 GE Phase 1 Remedial Action Work Plan – Processing Equipment Installation – Rev. 1
88. April 6, 2007 GE Phase 1 Remedial Action Work Plan – Facility Site Work Construction – Rev. 1
89. April 26, 2007 GE Phase 1 Remedial Action Community Health & Safety Plan – Rev 1
90. April 6, 2007 GE Quality Control/Quality Assurance Plan – Phase 1 Facility Site Work Construction
91. April 7, 2007 Remedial Action Work Plan – Phase 1 Processing Equipment Installation – Rev. 1
92. July 27, 2007 GE Revised Phase 1 Adaptive Management Plan
93. October 19, 2007 GE Phase II Archaeological Investigations of the Jones/Rogers Site (A09113.000059), Town of Moreau, Saratoga County, New York Associated with the Work Support Marina, Hudson River PCBs Superfund Site
94. December 17, 2007 GE Final Phase 2 Dredge Area Delineation Report
95. *Sediment Dredging at Superfund Megsites: Assessing the Effectiveness.* National Research Council of the National Academies (2007)
96. January 28, 2008 GE Final Phase 1 Adaptive Management Plan
97. 2007 Baseline Monitoring Program – Data Summary Report (March 31, 2008)

98. May 13, 2008 Phase 2 Intermediate Design Report
99. May 30, 2008 GE Hudson River Sediment Remediation Phase 1 Project Contract 4 – Dredging Operations
100. May 30, 2008 GE Hudson River Sediment Remediation Phase 1 Project Contract 5 – Habitat Construction
101. August 11, 2008 GE Phase 1 Remedial Action Work Plan – Dredging and Facility Operations
102. August 11, 2008 Remedial Action Health & Safety Plan – Rev. 1
103. August 22, 2008 EPA (Greenberg) to GE (Ayers) correspondence re: 2008 Habitat Assessment Field Work
104. September 2008 *Technical Guidelines for Environmental Dredging of Contaminated Sediments* U.S. Army Corps of Engineers
105. November 6, 2008 EPA Comments on Phase 2 Intermediate Design Report
106. November 25, 2008 EPA (Garbarini) correspondence to GE (Haggard) re: conditional approval of Habitat Delineation Report
107. December 5, 2008 GE Draft response to EPA comments on Phase 2 Intermediate Design Report
108. December 15, 2008 EPA (King) to Village of Stillwater correspondence
109. January 5, 2009 GE (Haggard) to EPA (Garbarini) email re: Expertise for potential peer review panelists
110. January 30, 2009 EPA (Garbarini) to GE (Haggard): Design Revision for Contingent Resuspension Controls
111. February 2009 Phase 1 Community Health and Safety Plan – Rev. 2
112. February 3, 2009 GE (Blaha) to EPA (Garbarini) re: Phase 1 Near Shore Design – Enclosures – Contract 4 drawings; Section 13898; narrative review of rip rap along Phase 1 shoreline
113. February 3, 2009 Kern, J.W., J.R. Wolfe, and N. Barabas. *Sampling Density for Refinement of Dredge Prism Design in the Lower Fox River, Wisconsin, OU 2-5*. Fifth International Conference on Remediation of Contaminated Sediments.
114. February 3, 2009 Patmont, C. and R. Fox. *Adaptive Management to Improve Sediment Cleanup on the Lower Fox River*. Fifth International Conference on Remediation of Contaminated Sediments.

115. February 6, 2009 GE (Gibson) to EPA (Garbarini): Revised Far-Field and Near-Field Pilot Study Data Summary Report letter and attached report
116. February 20, 2009 GE (Gibson) to EPA (Garbarini): Comments for GE's proposed design for the HR Automated Water Column Sampling Station at Thompson Island – contract drawings included
117. February 27, 2009 GE (Gibson) to EPA (Conetta): Waterford Far-Field Station Design contract drawings
118. March 9, 2009 EPA (King) to GE (Gibson) re: Comments on Archaeological Resources Assessment Report for Phase 2 Dredge Areas
119. March 18, 2009 GE (Kruppenbacher) to EPA (Garbarini) re: Notification of Backup Waste Management Facility Selection
120. March 19, 2009 GE Phase III Archaeological Investigations of the Jones/Rogers Site (A09113.000059), Town of Moreau, Saratoga County, New York Associated with the Work Support Marina, Hudson River PCBs Superfund Site
121. March 23, 2009 Notice filed in Case: 1:05-cv-01270 – DNH-DRH by United States of America Letter Notice Informing Court of Non-Material Modification to Consent Decree with attachment
122. 2008 Baseline Monitoring Program – Data Summary Report (March 31, 2009)
123. April 6, 2009 GE (Gibson) to EPA (King) – Comments on private water intake design
124. April 7, 2009 GE (Kruppenbacher) to EPA (King): Dredging Setbacks from Bridge Piers
125. April 8, 2009 EPA (Garbarini) to GE (Haggard) email: HQ has approved SOW – Peer Review Contract
126. April 9, 2009 GE (Kruppenbacher) to EPA (King) re: Application of 10,000 cfs requirement in the approved design
127. April 13, 2009 GE (Blaha) to EPA (Garbarini) email re: Phase 2 Intermediate Design Report – GE responses to EPA comments on GE Phase 2 IDR (including attachments)
128. April 20, 2009 GE (Blaha) to EPA (Garbarini) – Phase 2 Data Gap Data Summary Report
129. April 22, 2009 GE (Blaha) to EPA (Conetta) email re: Rip Rap Offset
130. April 27, 2009 EPA (King) to GE (Kruppenbacher) re: EPA Approval of proposed process that dredging contractor will follow

131. May 1, 2009 EPA (King) to GE (Haggard) – Resolution of Disputed Habitat Issues on Phase 1 Final Design Report
132. May 12, 2009 GE (Gibson) to EPA (Garbarini) – Phase 1 RAM QAPP Final - attached report
133. May 14, 2009 EPA (King) to GE (Ayers): Conservation measures of Bald Eagles
134. May 14, 2009 Remedial Action Work Plan – Phase 1 Dredging and Facility Operations – Rev. 1
135. May 14, 2009 Remedial Action Work Plan – Phase 1 Performance Standards Compliance Plan – Rev. 1
136. May 14, 2009 Remedial Action Work Plan – Facility Operations and Maintenance Plan – Rev. 1
137. May 14, 2009 Remedial Action Work Plan – Property Access Plan – Rev. 1
138. May 14, 2009 Remedial Action Work Plan – Transportation & Disposal Plan – Rev. 1
139. May 14, 2009 Remedial Action Work Plan – Phase 1 Dredging Construction Quality Control/Quality Assurance Plan – Rev. 1
140. May 14, 2009 GE Phase 1 Remedial Action Community Health & Safety Plan – Rev. 3
141. June 2009, GE Habitat Assessment Report for Phase 2 Areas.
142. June 11, 2009 GE (Gibson) to EPA (Garbarini) correspondence and attachment re: Performance Evaluation Sample Development
143. June 11, 2009 GE (Gibson) to EPA (Garbarini) correspondence and technical memorandum re: PCB transect sampling
144. June 23, 2009 EPA (Garbarini) to GE (Haggard) – Phase 2 Intermediate Design Report conditional approval
145. July 13, 2009 GE (Kruppenbacher) to EPA (King): Potential Force Majeure – Inability of Disposal Facility to Unload Sediment Containing Rail Cars
146. July 14, 2009 GE (Gibson) to EPA (King) – Archeological Monitoring report – General Support Property
147. July 14, 2009 GE (Moreno) to EPA (Fischer) email re: Peer Review Areas of Expertise

148. July 15, 2009 GE (Haggard) to EPA (Garbarini): Resuspension Performance Standard - Exceedance of 7-day Running Average Control Level Criteria – Engrg. Eval. Report attached
149. July 17, 2009 GE (Haggard) to EPA (Mugdan): Resuspension Performance Standard – Exceedance of Annual Net PCB Load Limit
150. July 20, 2009 Email: EPA (Mugdan) to GE (Haggard): Hudson PCB Load Exceedance
151. July 21, 2009 GE (Haggard) to EPA (King): Potential Force Majeure – Delay in Returning Empty Rail Cars from Disposal Facility to Processing Facility
152. July 24, 2009 EPA (Garbarini) to GE (Haggard) correspondence re: Phase 2 Habitat Assessment Report Conditional Approval
153. July 24, 2009 GE (Moreno) to EPA (Fischer) email re: Peer review Schedule
154. July 29, 2009 GE (Kruppenbacher) to EPA (King): Air Exceedances and EPA Instructions Regarding inventory Dredging and Barge Handling
155. August 6, 2009 GE (Haggard) to EPA (King): Resuspension Performance Standard – Exceedance of Annual Net Load Limit for Tri+ PCBs at Lock 5 Station
156. August 11, 2009 GE (Kruppenbacher) to EPA (King): Resuspension Performance Standard – Proposed Dredging Start Up and Testing Program
157. August 13, 2009 GE (Kruppenbacher) to EPA (King): EPA Directives on Changes to Dredging Operations
158. August 15, 2009 GE (Gibson) to EPA (King, et al.) email re: CAM03 on Phase 1 RAM QAPP, including attachments
159. September 2009 Remedial Action Health & Safety Plan- Rev 2 (Section 4)
160. September 4, 2009 EPA (Garbarini) to GE (Kruppenbacher): Approval for an Alternative Decontamination Procedure
161. September 18, 2009 EPA (Fischer) to GE (Moreno) email re: Hudson Peer Review panel list
162. September 22, 2009 EPA (Fischer) to GE (Moreno): email Peer Review SOW
163. September 25, 2009 GE (Gibson) to EPA (Garbarini) – Phase 1 Data Request Transmittal – dredging data sent on CD ROM

164. EPA, *Public Health Levels for PCBs in Indoor School Air*. Last updated on Friday, September 25, 2009
165. October 3, 2009 GE (Gibson) to EPA (Garbarini) – Phase 1 Data Request Transmittal – dredge pack files and drivers on CD ROM – follow-up to 9/25 submittal
166. October 21, 2009 GE (Gibson) to EPA (Garbarini) – Phase 1 Data Request Transmittal – several attachments sent – Bathymetric files; silk curtain info etc.
167. October 27, 2009 GE (Blaha) to EPA (Garbarini) – Schedule for the Phase 2 Final Design Report
168. November 2, 2009 GE (Kruppenbacher) to EPA (King): Potential Force Majeure – Delay in Shipments to Disposal Facility Due to Sloughing Problem in Disposal at the Facility
169. November 4, 2009 EPA (Fischer) to GE (Moreno) email re: Peer Review Schedule, including attachment
170. November 9, 2009 EPA (King) to GE (Gibson) – Comments on Terrestrial Archaeological Resources Work Plan for Phase 2 Dredge Areas
171. November 9, 2009 GE (Gibson) to EPA (Garbarini) – Phase 1 Data Request Transmittal – CD ROM with several zip files
172. November 12, 2009 GE (Haggard) to EPA (Garbarini): Phase 1 Data Compilation Report letter and attached report
173. November 30, 2009 GE (Blaha) to EPA (Garbarini) – Phase 2 Final Design – Design for Backfill and Habitat Construction – River Section 1; draft plans and specs and description of design process
174. December 23, 2009 EPA (Garbarini) to GE (Blaha) – Schedule for Phase 2 Design Report
175. December 23, 2009 EPA (Conetta) to GE (Blaha) email re: Comments on Phase 2 Data Gap Summary Report, including attachments
176. December 23, 2009 EPA Approval of the Remedial Action Report for the Granulated Activated Carbon Treatment for the Village of Stillwater
177. January 15, 2010 GE Draft Phase 1 Evaluation Report and Supplemental Phase 1 Data Compilation
178. January 15, 2010 EPA Draft Phase 1 Evaluation Report
179. January 21, 2010 GE (Haggard) to EPA (Garbarini): email re: GE P1 Eval Report Update – Executive Summary revised page

180. January 26, 2010 GE (Haggard) to EPA (Garbarini) email: Revised Page ES-1 of GE's Draft Phase 1 Evaluation Report
181. January 27, 2010 GE (Blaha) to EPA (Garbarini) correspondence re: Response to EPA Comments on Phase 2 Data Gap Data Summary Report, including attachment
182. January 29, 2010 GE (Haggard) to EPA (Garbarini) correspondence GE's Comments on EPA's Draft Phase 1 Evaluation Report – comments attached
183. January 29, 2010 EPA (Fischer) to GE (Moreno) email re: Peer Review charge
184. January 29, 2010 GE (Moreno) to EPA (Fischer) email re: Peer Review charge
185. January 29, 2010 EPA (Garbarini) to GE (Haggard) correspondence re: EPA Comments on GE Draft Phase 1 Evaluation Report, comments attached
186. February 2010 NYSDEC Report on Observations from Phase 1 Dredging Oversight
187. February 9, 2010 Email: EPA (Fischer) to GE (Moreno): Peer Review Schedule
188. Bridges TS, Gustavson KE, Schroeder PR, Ells SJ, Hayes DF, Nadeau SC, Palermo MR, Patmont C. 2010. *Dredging Processes and Remedy Effectiveness: Relationship to the 4 Rs of Environmental Dredging*. Integrated Environmental Assessment and Management. 6: 619-630 (February 2010)
189. February 11, 2010 EPA (Fischer) to GE (Moreno) email re: Peer Review charge questions
190. February 12, 2010 GE (Haggard) to EPA (Garbarini): Schedule for Phase 2 Final Design Report
191. February 12, 2010 EPA (Moyik) to Garon (SRA) re: charge questions
192. February 15, 2010 AQ-EFDC INPUT MANUAL – Hydro Sedtran version
193. SRA International, Inc. February 17-18, 2010 Peer Review Introductory Session Presentation Slides
194. February 17-18 Peer Review meeting transcripts
195. February 17 and 18, 2010 GE Peer Review presentations

196. February 17 and 18, 2010 EPA Peer Review presentations
197. March 4, 2010 GE (Haggard) to EPA (Garbarini): Phase 1 Cap/Habitat OM&M Plan
198. March 2010 EPA Final Phase 1 Evaluation Report
199. March 8, 2010 GE (Haggard) to EPA (Garbarini): GE's Final Phase 1 Evaluation Report – report attached
200. March 8, 2010 EPA ListServ Notice “EPA Submits Final Report on First Phase of Hudson River Dredging For Independent Scientific Review”
201. March 8, 2010 GE/EPA Mugdan Meeting Presentation
202. March 10, 2010 GE (Haggard) to EPA (Garbarini): GE's Final Phase 1 Evaluation Report – revised cover ltr.
203. March 10, 2010 email: EPA (Fischer) to GE (Moreno): Panel Supplemental Requests and Hudson River Background Documents – documents attached
204. March 12, 2010 GE/EPA Meeting Presentation
205. March 19, 2010 EPA (Conetta) to GE (Gibson): Remedial Action Monitoring Quality Assurance Project Plan – Correction Factor Development – email with attachments
206. March 19, 2010 GE (Kruppenbacher) to EPA (King): Empty Gondola Inspection, Sampling and Release Procedure – attachment
207. March 22, 2010 GE (Blaha) to EPA (King): Record Drawings for the permanent facilities constructed during Phase 1
208. March 23, 2010 EPA (King) to GE (Haggard) email – Phase 2 Design Topics for Discussion
209. March 23, 2010 USEPA Oversight Team Phase 1 Observations Report
210. March 23, 2010 email: EPA (Fischer) to GE (Moreno): Forward to GE (re: peer review panel request for extension of time to submit report).
211. March 23, 2010 GE (Moreno) to EPA (Fischer) email – Peer Review's request for extension of time for the draft report is acceptable to GE.
212. March 24, 2010 GE (Haggard) to EPA (Mugdan): Hudson River dredging project - status
213. March 26, 2010 GE (Haggard) to SRA International, Inc. – Initial Response to Phase 1 Peer Review Panel Supplemental Information requests from Introductory Session, including enclosed CDs

- 214. March 29, 2010 EPA (Moyik) to SRA International, Inc. correspondence re: items requested by Peer Review Panel
- 215. March 31, 2010 GE (Blaha) to EPA (Garbarini) – Phase 2 Final Design – Interim Submittal – Design approach for dredging West Griffin Island area
- 216. April 2009 Lower Fox River Remedial Design Final Design Report, Adaptive Management and Value Engineering Plan (Appendix E to
- 217. April 8, 2010 GE (Haggard) to SRA (Garon) correspondence and enclosures: Additional Response to Phase 1 Peer Review Panel Supplemental Information Requests and Questions Received After the Introductory Session
- 218. April 8, 2010 GE/EPA Meeting Presentation, “Update, Hudson River Dredging Project”
- 219. April 13, 2010 EPA (Greenberg) to GE (Haggard) forwarding draft Peer Review agenda.
- 220. April 14, 2010 SRA (Garon) to EPA (Moyik) email (including attachments) transmitting Peer Review Panel request for supplemental data, Peer Review Panel response to EPA March 29 letter, and preliminary list of topics for peer review presentations.
- 221. April 16, 2010 GE (Blaha) to EPA (Conetta) – Griffin Island West Channel Hydraulic Investigation Work Plan
- 222. April 19, 2010 EPA (Fischer) to GE (Moreno): Supplemental Data Request – email with attachments
- 223. April 20, 2010 EPA ListServ Notice “Statement on Extension of Public Comment Period Regarding Phase 1 Evaluation Reports for Hudson River Dredging Project”
- 224. April 21, 2010 GE (Haggard) to SRA International, Inc., correspondence with enclosed CD: GE’s response to Peer Review Panel’s supplemental information requests forwarded April 19, 2010
- 225. April 23, 2010 EPA (King) to GE (Kruppenbacher), correspondence re: Phase 1 Contract 5 Plans and Specifications, and Pre-Planting Inspection Conditional Approval
- 226. April 26, 2010 GE (Haggard) to EPA (Garbarini): GE Comments on EPA Final Phase 1 Evaluation report – letter and comments
- 227. April 26, 2010 GE presentation “Update: Hudson River Dredging Project”
- 228. April 27, 2010 EPA (King) to GE (Haggard) re: Phase 1 Evaluation Report Comments –comments collected by EPA enclosed

- 229. April 27, 2010 EPA (Fischer) to GE (Moreno) email forwarding 4/27/10 email from SRA to EPA re: "a few items for your attention/feedback"
- 230. April 28, 2010 Email: GE (Gibson) to SRA (Garon) re: Peer Review Panel Information Request – GIS shapefiles – enclosure
- 231. April 28, 2010 EPA (King) to GE (Haggard): Revised Phase 1 Evaluation Report Comments – comments enclosed
- 232. April 28, 2010 EPA (Danielle Adams, Ecology & Environment, Inc.) to SRA International, Inc., correspondence (with enclosures) transmitting public comments submitted on EPA and GE Phase 1 Evaluation Reports. Enclosed comments submitted by: Tom Brosnan, Federal and State Natural Resource Trustees (April 26, 2010); Rick Deegan, NYS Tour Boat Association (April 19, 2010); Kevin Farrar, NYS Department of Environmental Conservation (April 26, 2010); Sarah Frasier (April 26, 2010); Alyce Fritz, National Oceanic and Atmospheric Administration (NOAA) (April 26, 2010); Thomas Grasso, Canal Society of New York State (Transmittal letter dated April 16, 2010); John Haggard, GE (April 26, 2010); Tim Havens, Citizen Environmentalists Against Sludge Encapsulation (CEASE) (April 25, 2010); Thomas Kryzak, Air & Earth Works (April 5, 2010); Hudson River Sloop Clearwater, et al. (April 26, 2010); Carmella Mantello, New York State Canal Corporation (April 21, 2010); Robert Michaels & Uriel Oko, RAM TRAK Corporation (April 19, 2010); Brent Miller, Graduate Student, Bard Center for Environmental Policy (April 22, 2010); Willard Peck, Saratoga County Board of Supervisors (April 26, 2010); John Rohrback (undated); Cecilia Romero Tkach, Graduate Student, Northern Arizona University (April 13, 2010); Beth Sciumeca, Erie Canalway National Heritage Corridor, U.S. Dept of the Interior, National Park Service (April 20, 2010); Ann Shaughnessy, Rensselaer County Environmental Management Council (April 21, 2010); Charles E. Sullivan, Jr., U.S. Dept. of the Interior, National Park Service (March 4, 2010)
- 233. April 29, 2010 GE (Haggard) to SRA: Responses of GE to outstanding questions and requests for information – attachments included
- 234. April 29, 2010 SRA (Garon) to EPA (Moyik) email message re: Summary of Proposed Modification to Performance Standards, including attachments.
- 235. April 29, 2010 EPA (Fischer) to GE (Moreno) forwarding Garon (SRA) 4/29/10 email message re: Summary of Proposed Modification to Performance Standards
- 236. April 30, 2010 GE (Gibson) to SRA email: Peer Review Panel Information Request – High Flow Memo – attachments included
- 237. April 2010 EPA Phase 1 Evaluation Report Addendum

- 238. May 1, 2010 EPA email and correspondence to SRA transmitting EPA Phase 1 Evaluation Report Addendum
- 239. May 3, 2010 EPA (Fischer) to SRA (Garon) email re: Performance Std Changes Table, including attachment
- 240. May 3, 2010 EPA (Fischer) to GE (Moreno and Haggard) email forwarding SRA 5/3/10 email re: Performance Std Changes Table
- 241. May 3, 2010 EPA ListServ Notice “EPA Releases Phase 1 Evaluation Report Addendum for Public Comment”
- 242. May 4, 2010 SRA International, Inc. Peer Review Meeting Introduction/Overview Slides
- 243. Transcripts from May 4, 5, and 6 Peer Review meetings
- 244. May 4, 2010 EPA (Fischer) to SRA (Garon) email re: Panel Summary of Modified Performance standards, including attachments.
- 245. May 4, 2010 EPA ListServ Notice “EPA Extends Comment Period on Phase 1 Evaluation Report Addendum”
- 246. EPA Peer Review presentations from May 4-6, 2010 Peer Review meeting
- 247. GE Peer Review presentations from May 4-6, 2010 Peer Review meeting
- 248. May 5, 2010 GE (Moreno) to SRA (Garon) email re: Panel Summary of Modified Performance Standards. This email forwards to SRA tables that summarize GE’s modified performance standards.
- 249. May 5, 2010 AQ (Benaman) to EPA (Fischer) email: Presentations from May 5 and Informational Response to Panel – Electronic Version, including attachments
- 250. May 5, 2010 EPA (King) to GE (Kruppenbacher) correspondence re: Phase 1 Contract 5 Plans – Planting, Natural Recolonization, and Unconsolidated River Bottom Habitat Areas
- 251. May 5, 2010 GE (Moreno) to Garon (SRA) email: Panel Summary of Modified Performance Standards – attached red-lined docs
- 252. May 6, 2010 AQ (Benaman) to SRA (Garon) email – GE proposal for changes to the Resuspension Standard, Productivity Standard and the Residual Standard – attachments to email
- 253. May 12, 2010 SRA (Garon) to EPA (Moyik) email re: panel request for a table of the estimated Tri+PCB mass for all of the Phase 2 CUs, etc.
- 254. May 17, 2010 GE (Ayers) to EPA (Greenberg et. al) email – Phase 1 Riverine Fringing Wetland Survey Results attached

- 255. May 17, 2010 GE (Gibson) to EPA (Garbarini, et al.) email re: 2009 Data Summary Report, including attachments
- 256. May 17, 2010 GE (Gibson) to SRA (Garon) - GE Comments on EPA Addendum – comments attached
- 257. May 17, 2010 (GE) Haggard to SRA (Garon) and EPA (Garbarini): GE's comments on EPA's Addendum to March 2010 Phase 1 Evaluation Report, including attached comments
- 258. May 18, 2010 EPA (Danielle Adams, Ecology & Environment, Inc.) to SRA International, Inc., correspondence with enclosures transmitting public comments submitted on EPA Addendum (except as otherwise noted). Enclosed comments submitted by: Jerry Clark, Fort Edward (May 16, 2010); Kevin Farrar, NYSDEC (May 17, 2010); Jay Field, NOAA (May 17, 2010); Rob Goldman, NYS Marine Highway Transportation Co., LLC (April 20, 2010) (Comments submitted on GE and EPA Phase 1 Evaluation Reports); John Haggard, GE (May 17, 2010); Timothy Havens, CEASE (May 17, 2010); Gil Hawkins, Hudson River Fisherman's Association (undated); George Hodgson, Saratoga County Environmental Management Council (EMC) (May 17, 2010); Hudson River Sloop Clearwater, et al. (May 17, 2010); George Putnam (May 11, 2010); Charles Sullivan, U.S. Department of the Interior, National Park Service (May 14, 2010)
- 259. May 18, 2010 Correspondence from EPA (David King) to GE (John Haggard) transmitting comments collected by EPA on EPA's Phase 1 Evaluation Report Addendum
- 260. May 18, 2010 EPA (Fischer) to SRA (Garon) email re: Resuspension Standard Table, including attachments
- 261. May 19, 2010 GE (Moreno) to Garon (SRA) email: Phase 2 Mass by CU, including attachment
- 262. May 20, 2010 EPA (King) to GE (Kruppenbacher) correspondence: P1 Contract 5 – 2010 Riverine Fringing Wetland Pre-Planting Survey, Conditional Approval
- 263. May 24, 2010 GE (Kruppenbacher) to EPA (King): Transmittal of Addendum #1 to RAWP #3 (Revision 1) - attachment
- 264. May 26, 2010 EPA (Fischer) to GE (Moreno) – Request from Peer Review Panel/transcripts – email with attachments
- 265. May 26, 2010 EPA (King) to GE (Kruppenbacher): Approval of Addendum #1 to RAWP #3 (Rev. 1)
- 266. May 26, 2010 GE (Moreno) to Garon (SRA) – Request from Peer Review Panel/transcripts – email with attachment

- 267. May 27, 2010 EPA (King) to GE (Kruppenbacher) correspondence re: Phase 1 Contract 5 – Submerged Aquatic Vegetation Planting Units letter
- 268. May 27, 2010 GE (Kruppenbacher) to EPA (King) correspondence re: Riverine Fringing Wetland Planting Areas, Conditional Approval, including attachments
- 269. June 2, 2010 GE (Haggard) to Garon (SRA) correspondence re: GE's responses to the June 1, 2010 request for information from the Peer Review Panel, including enclosure
- 270. June 3, 2010 AQ (Benaman) to SRA (Garon) email: Quick Clarification Needed – GE's estimate of the total PCBs to be removed for the duration of the project and May 2010 presentation Slide 19 - question on PCB removal number.
- 271. June 3, 2010 EPA (Fischer) to GE (Moreno) email re: Follow-up request for GE, including attachment
- 272. June 4, 2010 GE (Kruppenbacher) to EPA (King) correspondence re: Revised Wild Celery Planting Unit letter
- 273. June 7, 2010 GE (Haggard) to Garon (SRA) correspondence re: Response to June 3, 2010 Peer Review panel request for Additional Data, including enclosures
- 274. June 8, 2010 AQ to Garbarini re: Upper Hudson River Model, including attachment and hard drive containing computer code. Information related to computer code on attachment and hard drive is subject to claim of Confidential Business Information (CBI) and is included in Confidential File of administrative record.
- 275. June 8, 2010 GE (Kruppenbacher) to EPA (King) correspondence re: Revised wild celery (*Vallisneria americana*) Planting Unit
- 276. June 9, 2010 GE presentation "Hudson River: PCB Fate and Transport Modeling"
- 277. June 9, 2010 GE presentation "Refining Depth of Contamination in Phase 2 Dredge Areas"
- 278. June 9, 2010 EPA (Fischer) to SRA (Garon) email re: Panel requests, including attachments
- 279. June 14, 2010 GE (Klee) to EPA (Enck): Pre-Meeting Letter
- 280. June 14, 2010 Email: Haggard to EPA: Meeting Materials
- 281. June 15, 2010 EPA (King) to GE (Gibson) – Phase 2 Dredge Areas Terrestrial Archaeological Work Plan Approval letter

- 282. June 15, 2010 EPA (King) to GE (Kruppenbacher) re: Response to GE Revised Wild Celery Planting Unit letter 6/8/10 [6/4] and Riverine Fringing Wetland Planting letter – 5/27/10
- 283. June 21, 2010 GE presentation “Hudson River Dredging Project”
- 284. June 22, 2010 EPA (Conetta) to GE (Blaha) – Phase 2 Data Gap Summary Report Conditional Approval Letter
- 285. June 24, 2010 NY State Canal Corp comments on GE Phase 2 Final Design, Interim Design Submittal dated March 31, 2010
- 286. June 25, 2010 GE (Haggard) to Garon (SRA) correspondence re: Response to June 23, 2010 Peer Review Panel Request for Disposal Information
- 287. June 25, 2010 GE (Kruppenbacher) to (EPA) Garbarini: Notification of Backup Waste Management Facility Selection – Wayne Disposal
- 288. June 25, 2010 GE (Kruppenbacher) to EPA (Garbarini): Notification of Backup Waste Management Facility Selection – US Ecology Landfill
- 289. June 25, 2010 GE (Kruppenbacher) to EPA (Garbarini): Notification of Backup Waste Management Facility Selection – Clean Harbors Grassy Mountain
- 290. June 25, 2010 GE (Kruppenbacher to EPA (King): Inspection, Sampling and Release Procedure for Gondolas Used for Shipments to WCS – attachment
- 291. June 25, 2010 GE (Kruppenbacher) to EPA (King): Revised Wild Celery Planting Unit
- 292. June 28, 2010 GE (Haggard) to Garon (SRA): Results of Additional Modeling of Upper and Lower Hudson River, including attached Technical Memorandum “Proposed Allowable Downstream PCB Load for the Hudson River Dredging Project” and report “The Upper Hudson River Modeling System”
- 293. June 29, 2010 EPA (Garbarini) to AQ (Benaman) re: Disclosure of Model Code to EPA Consultants
- 294. June 30, 2010 AQ (Benaman) to EPA (Garbarini) re: consent to disclosure.
- 295. June 30, 2010 GE (Klee) to EPA (Enck) correspondence re: GE’s Modeling Results for Upper and Lower Hudson River

- 296. July 1, 2010 EPA (King) to GE (Kruppenbacher) correspondence re: Contract 5 Habitat Reconstruction Requested Combined Responses (responding to GE June 25, 2010 correspondence).
- 297. July 1, 2010 GE presentation, "Update on EPA-GE Technical Exchange"
- 298. July 7, 2010 GE (Klee) to EPA (Stanislaus) correspondence re: GE's Modeling Results for Upper and Lower Hudson River
- 299. July 8, 2010 EPA (Fischer) to GE (Moreno): Peer Review Schedule email confirmation
- 300. July 9, 2010 GE Kruppenbacher to King: Response to EPA's July 1, 2010 - Letter with attachments Regarding Wild Celery Planting Units
- 301. July 14, 2010 Kruppenbacher to Garbarini: Transmittal of RAWP #3 – Appendix C Transportation and Disposal Plan (Rev. 3) – attached
- 302. July 16, 2010 AQ (Benaman) to EPA & EPA Consultants email: Upper Hudson River Model – Source Code Transfer. Attached source code is in Confidential File of administrative record.
- 303. July 16, 2010 Feldt (EPA) to GE (Klee) correspondence re: Interim response to July 7, 2010 letter from GE.
- 304. July 18, 2010 AQ (Israelsson) to EPA and EPA consultants transmitting Users Manual for AQ Upper Hudson River model. Manual is claimed CBI and is contained in Confidential File of administrative record.
- 305. July 19, 2010 AQ to EPA (Garbarini) email – AQ's Presentations used at Ann Arbor meeting: Upper Hudson River PCB Modeling System Overview; PCB Fate and Transport Model; UHR Modeling System – Simulating Dredging and Future Scenarios; Bioaccumulation Model and Hydrodynamic and Sediment Transport Models
- 306. July 20, 2010 GE (Klee) to EPA (Feldt) correspondence re: GE's Modeling Results for Upper and Lower Hudson River
- 307. July 20, 2010 Kruppenbacher to King – Rail Car Procedures - attachment
- 308. July 20, 2010 GE (Haggard) to EPA (Pavlou and Mugdan) re: Hudson 2011 Scope of Work (including attached Draft Proposed Scope of Work for 2011 Dredging and Table 1)
- 309. July 27, 2010 GE (Kruppenbacher to EPA (King) re: Revised American Pondweed Planting Unit Source, including enclosures
- 310. July 29, 2010 AQ to EPA (Garbarini) re: letter and hard drive containing long-term calibration and validation files for the Upper Hudson River. Information related to computer code subject to CBI claim and contained in Confidential File of administrative record.

- 311. July 29, 2010 EPA (Stanislaus) to GE (Klee): EPA declines to forward GE's Model to Peer Review Panel
- 312. August 2, 2010 EPA (King) to GE (Kruppenbacher): Empty Gondola Rail Car Inspection, Sampling and Release Procedure – June 25, 2010
- 313. August 5 GE presentation slides re: "MPA and Dredge Delineation"
- 314. August 9, 2010 GE (Haggard) to EPA (Garbarini) – MPA and Dredge Delineation presentation used at 8/5/10 meeting
- 315. August 9, 2010 GE (Gibson) to EPA (Conetta) – Correction Factor Response Letter
- 316. August 10, 2010 AQ to Garbarini – Hard drives containing scenario files for the UHR Modeling System. Information related to computer code subject to CBI claim is contained in Confidential File of administrative record.
- 317. August 11, 2010 GE (Klee) to EPA (Stanislaus) correspondence re: GE's Modeling Results for Upper and Lower Hudson River
- 318. August 13, 2010 Draft Hudson River Peer Review Report
- 319. August 13, 2010 EPA (Garbarini) to GE (Haggard) correspondence re: Phase 2 Final Design Partial/Interim Submittals (including attachments)
- 320. August 13, 2010 EPA (Garbarini) to GE (Haggard) correspondence re: Phase 1 Cap/Habitat OM&M Plan, including attachment
- 321. August 16, 2010 GE (Kruppenbacher) to EPA (King) correspondence re: Plant Sources for Fall Re-Planting (including enclosure)
- 322. August 20, 2010 Haggard to Garbarini – Plan for Additional Sediment Sampling – Draft for Discussion – Work plan attached
- 323. August 27, 2010 EPA Response to Draft Hudson River EPS Peer Review Report
- 324. August 27, 2010 GE presentation slides ("Load Standard Depends on Baseline Load (MNA)," etc.)
- 325. August 27, 2010 GE (Haggard) to Peer Review Panel c/o SRA International, Inc. re: General Electric's Comments on Draft Hudson River Peer Review Report
- 326. August 27, 2010 NYSDEC (Farrar) to EPA (Garbarini, et al.) email re: Matrix of factual corrections on HR peer review report (including attachment)

- 327. August 30, 2010 correspondence from EPA (King) to GE (Kruppenbacher) re: Hudson River PCB Superfund Site, Phase 1, Contract 5 Habitat Reconstruction Proposed Alternative Plant Sources
- 328. August 30, 2010 NYSDEC (Farrar) to EPA (Klawinski and King) email re: comments on GE coring work plan 8.30.10 (including attached comments)
- 329. August 31, 2010 GE (Gibson) to EPA (Conetta, et al.) email re: follow up from August 5 meeting
- 330. August 31, 2010 EPA (Klawinski) to GE (Gibson) email re: EPA draft comments (for discussion purposes) on sediment sampling work plan
- 331. EPA Spring 2010 Data Summary Report, Upper Hudson River Floodplain Deposition Sampling Program (September 2010)
- 332. September 1, 2010 GE (Gibson) to EPA (Klawinski) email re: EPA draft comments (for discussion purposes) on sediment sampling work plan, including attached probability plot.
- 333. September 1, 2010 GE (Gibson) to EPA (Klawinski) email re: EPA draft comments (for discussion purposes) on sediment sampling work plan, forwarding two attachments “related to our discussion from last Thursday and your comments on the work plan.”
- 334. September 3, 2010 GE (Haggard) to EPA (Garbarini) correspondence re: Response to Comments on Phase 1 Cap/Habitat OM&M Plan
- 335. September 3, 2010 GE (Haggard) to EPA (Garbarini) correspondence re: Model Review - Status Meeting
- 336. September 3, 2010 EPA (Klawinski) to GE (Gibson) email re: EPA comments on 2010 sediment sampling work plan (including attached comments)
- 337. September 3, 2010 GE (Haggard) to EPA (Garbarini) correspondence re: Modeling Peer Review
- 338. September 7, 2010 GE (Gibson) to EPA (Klawinski) email forwarding GE response to EPA comments on 2010 sediment sampling work plan
- 339. September 7, 2010 GE (Kruppenbacher) to EPA (King) correspondence re: Force Majeure Regarding the Fall 2010 Planting of American Pondweed.
- 340. September 9, 2010 GE (Klee) to EPA (Jackson) correspondence re: GE Proposal for 2011 Dredging
- 341. September 9, 2010 EPA (King) to GE (Gibson) correspondence (including attached comments) responding to GE’s August 20, 2010 correspondence

- 342. September 10, 2010 GE (Gibson) to EPA (Garbarini) correspondence re: Plan for Additional Sediment Sampling, including attached plan. Need copy of attachment
- 343. September 10, 2010. Bridges, T., R. Fox, P. Fuglevand, G. Hartman, V. Magar, P. Schroeder, T. Thompson, and SRA International, Inc. 2010. *Hudson River PCBs Site, Peer Review of Phase 1 Dredging, Final Report.*
- 344. September 2010 Peer Review Panel table “Changes Made in Final Hudson River Phase 1 Dredging Peer Review Report”
- 345. September 12, 2010 EPA email to GE re: August 5 Follow Up, including attachments (August 5, 2010 correspondence re: August 5 meeting follow-up, and attached Analysis of Uncertainty)
- 346. September 13, 2010 GE (Blaha) to EPA (Garbarini) correspondence re: Response to EPA’s Comments on the Phase 2 Design (including attachments)
- 347. September 15, 2010 NYSDEC (Gruskin) to EPA (Jackson) Correspondence re: Hudson River dredging
- 348. September 17, 2010 GE (Haggard) to Mugdan (EPA) email (including attachment) transmitting slide “Model Results: Impact of Changing % Resuspension.”
- 349. September 23, 2010 EPA email to GE (including attachment) forwarding matrix with EPA responses to Peer Review Panel recommendations.
- 350. September 23, 2010 GE (Gibson) to EPA (Conetta) correspondence re: August 5 Meeting Follow Up
- 351. September 23, 2010 EPA (King) to Kruppenbacher (GE) correspondence re: Hudson River PCB Superfund Site, Phase 1, Contract 5 Habitat Reconstruction Response to Proposed Fall 2010 Replanting letter dated 9/7/2010
- 352. September 24, 2010 NYSDEC (Farrar) to EPA (King) correspondence re: Phase 1 Peer Review Report
- 353. September 24, 2010 GE (Kruppenbacher) to EPA (King) re: Notification under 40 C.F.R. 761.65(a)(2) re: GE unable to complete off-site shipment of sediment and debris within one year
- 354. September 24, 2010 NYSDEC (Farrar) to EPA (Garbarini) email re: Fwd: comments on GE 8.5.10 MPA presentation (including forwarded August 13, 2010 email message and attached comments)
- 355. September 27, 2010 LimnoTech presentation “Model Evaluation Status”

- 356. September 30, 2010 GE (Kruppenbacher) to EPA (King) correspondence re: NYSCC Feeder Canal as source for Wild Celery plants (including enclosure)
- 357. October 5, 2010 EPA (Klawinski) to GE (Gibson) email re: Surface Sampling Approach
- 358. October 6, 2010 EPA (King) to GE (Haggard, et al.) email re: Draft Statement of Work for 2011 - For discussion purposes (including attachment)
- 359. October 8, 2010 GE Phase 2 Final Design Division 1 Specifications
- 360. October 8, 2010 correspondence from GE (Immelt) to EPA (Jackson)
- 361. October 8, 2010 correspondence from Hudson River Sloop Clearwater, et al. to EPA (Jackson)
- 362. October 12, 2010 EPA (Conetta) to GE (Gibson) correspondence re: August 5 meeting follow-up, including attachments.
- 363. October 13, 2010 EPA (Conetta) to GE (Gibson) correspondence re: correction factor
- 364. October 13, 2010 correspondence from Hudson River Sloop Clearwater, et al. to EPA (Enck)
- 365. October 15, 2010 EPA PowerPoint Presentation to GE, "Proposed Approach to Phase 2"
- 366. October 15, 2010 NYSDEC (Farrar) to EPA (Conetta, et al.) email re: Table of recommended changes for Phase 2 10.15.10 (including attachment)
- 367. October 15, 2010 EPA work plan re: resuspension and redeposition sampling and analysis
- 368. October 18, 2010 EPA Quality Assurance Project Plan
- 369. October 19, 2010 GE Summary of Key Policy Issues for EPA/GE Discussions
- 370. October 19, 2010 EPA (Garbarini) to GE (Haggard) email re: Surface Sampling Approach
- 371. October 22, 2010 GE slide "Clear Performance Standards Meet ROD Goals"
- 372. October 22, 2010 GE correspondence to EPA re: EPA Surface Sediment Sampling Proposal

- 373. October 27, 2010 EPA email to GE re: Draft Revised CDE, including attachment
- 374. October 28, 2010 EPA email to GE re: CD Attachments D and E, including attachments
- 375. October 28, 2010 EPA email to GE re: coring program status
- 376. October 28, 2010 EPA PowerPoint Presentation to GE, "EPA Reaction to GE's Proposed Approach to Phase 2"
- 377. October 29, 2010 EPA email to GE re: "Re: CD Attachments D and E," including attachment
- 378. November 1, 2010 GE (Gibson) to EPA (Conetta) email re: this week coring (includes exchange of November 1, 2010 emails between EPA and GE)
- 379. November 3, 2010 EPA email to GE re: Draft Attachment B (RAM Scope), including attachment
- 380. November 3, 2010 EPA email to GE re: "draft RLSO of Attach F, and EPS," including attachments
- 381. November 4, 2010 EPA PowerPoint Presentation to GE re: capping
- 382. November 5, 2010 GE presentation "Upper Hudson River Model"
- 383. Benaman, J. Connolly, J. and A. Clough, 2010. *Understanding Remedial Design Effectiveness and Uncertainty By Analyzing Design Data Quality*. Society of Environmental Toxicology and Chemistry. North America 31st Annual Meeting: Bridging Science with Communities Oregon Convention Center, Portland, Oregon. 7–11 November 2010.
- 384. Greenberg, Conetta, Field and Kern, 2010 *PCBs in Fish Tissues at the Hudson River PCBs Superfund Site: Results of the Baseline, Remedial Action, and Post-Phase 1 Remediation Timeframe*. Society of Environmental Toxicology and Chemistry. North America 31st Annual Meeting: Bridging Science with Communities Oregon Convention Center, Portland, Oregon. 7–11 November 2010.
- 385. November 10, 2010 GE (Blaha) to EPA (Garbarini) correspondence re: Phase 2 Final Design Division 1 Specifications (including attachment)
- 386. November 12, 2010 EPA email to GE re: draft SOW and PSCP attachment, including attachments
- 387. November 15, 2010 NYSDEC (Farrar) to Louis Berger Group (Gbondo-Tugbawa) email re: Groundwater Study in the 1990s - Capping Design (including attachments)

- 388. November 16, 2010 GE email to EPA re: GE draft RLSO of Attachment D CHASP Scope, including attachments
- 389. November 16, 2010 GE email to EPA re: GE draft RLSO of Attachment F CU Acceptance Forms, including attachments
- 390. November 16, 2010 GE email to EPA re: GE draft RLSO of Attachment E OM&M Scope, including attachments
- 391. November 16, 2010 GE email to EPA re: GE draft RLSO of Attachment E OM&M Scope (cover letter attached)
- 392. November 17, 2010 GE email to EPA re: CDE Mark Up, including attachments
- 393. November 17, 2010 GE email to EPA (including attachments) providing GE transmittal letter and comments re: EPA draft Phase 2 Engineering Performance Standards (EPS)
- 394. November 18, 2010 GE email to EPA re: Phase 2 RAM Scope comments, including attachments
- 395. November 19, 2010 GE (Kruppenbacher) to EPA (King) re: Response to EPA Fall 2010 Replanting Letter dated September 23, 2010
- 396. November 22, 2010 GE email to EPA (including attachments) transmitting GE comments and transmittal letters for the SOW, PSCP, and tables/figures for the EPS.
- 397. November 22, 2010 GE Capping Performance Assessment slides
- 398. November 22, 2010 correspondence from Hudson River Sloop Clearwater, et al. to EPA
- 399. November 22, 2010 correspondence from Hudson River Sloop Clearwater, et al. to EPA (Jackson)
- 400. November 23, 2010 correspondence from EPA (King) to NY State Canal Corp. (Harris) re: Hudson River PCB Superfund Site Harvests of Plant Stock from NY State Canal Corporation Lands Work Permit No. C2W100029
- 401. November 24, 2010 Louis Berger Group (Garvey) to EPA (Conetta) email re: Load Standard
- 402. November 25, 2008 correspondence from EPA (Garbarini) to GE (Haggard) re: conditional approval of November 11, 2008 GE Habitat Delineation Report

- 403. November 29, 2010 EPA email (Mugdan) to GE (Klee and Haggard) re: Resuspension and Load Standard, and attachment re: “Summary of Phase 2 Resuspension Performance Standard.”
- 404. November 30, 2010 EPA email to GE re: Dredge Elevation Verification Text, including attachment
- 405. Spreadsheet showing Bedrock and Clay Area Capped for Phase 1, Summation of Areas, and Summation of Areas (Excluding “Conflict” Areas in Clay Table Above)
- 406. Table *EPA Responses to GE’s Letter dated November 16, 2010 on the Phase 2 OM&M Scope - Attachment E to the Consent Decree SOW*
- 407. December 1, 2010 correspondence from Hudson River Sloop Clearwater, et al. to EPA (Sussman)
- 408. December 2, 2010 NYSDEC (Gruskin) correspondence to EPA (Robert Sussman) re: Hudson River dredging
- 409. December 2, 2010 correspondence from National Oceanic and Atmospheric Administration to EPA (Robert Sussman) re: Phase 2 Remediation
- 410. December 3, 2010 correspondence from GE (Klee) to EPA (Jackson) re: November 22, 2010 letter from NRDC, Hudson River Sloop Clearwater, Hudson Riverkeeper and Scenic Hudson.
- 411. December 6, 2010 GE (Haggard) to EPA (King, et al.) re: GE Capping Proposal (including attached proposal)
- 412. December 10, 2010 correspondence from Hudson River Sloop Clearwater, et al. to EPA (Sussman)
- 413. December 11, 2010 EPA (Mugdan) to GE (Klee and Haggard) email re: Chart for Discussion, including attachment.
- 414. GE December 12 presentation slides, “Load Limit at Thompson Island, Expectation Based on Modeling” and “Capping Evaluation and Control Limits”
- 415. December 13, 2010 EPA (King) to GE (Kruppenbacher) correspondence re: Phase 1 SAV Harvested and Other Plant Materials: Follow up on Request for Information
- 416. December 13, 2010 Memorandum from J. Wolfe (LimnoTech) to B. Fidler (Louis Berger Group, Inc.) re: *Status of Upper Hudson River Model Evaluation*

- 417. December 13, 2010 Memorandum from E. Garvey, J. Atmadja and E. Zamek (Louis Berger Group, Inc.), and J. Kern (Kern Statistical Services, Inc.) to B. Conetta re: *Mass per Unit Area Footprint Delineation*
- 418. December 15 EPA (King) to GE (Kruppenbacher) correspondence re: Phase 2 Wetlands Delineation data
- 419. December 15, 2010 EPA Memorandum to Files re: *Initial EPA Review of GE Technical Submission Based on New GE Model*, including Appendices
- 420. December 16, 2010 Memorandum from E. Garvey, J. Atmadja, C. Prabhu, X. Wang (Louis Berger Group, Inc.), J. Kern (Kern Statistical Services, Inc.), and D. Hayes (University of Louisiana at Lafayette) to B. Conetta (EPA) re: *Issues in Estimation of Depth of Contamination and Application to Dredge Prism*
- 421. December 16, 2010 Memorandum from E. Garvey, J. Atmadja (Louis Berger Group, Inc.) and J. Kern (Kern Statistical Services, Inc.) to EPA (B. Conetta) re: *Support for the Capping Performance Criteria*
- 422. December 16, 2010 Memorandum from S. Gbondo-Tugbawa (Louis Berger Group), X. Wang (Louis Berger Group), E. Zamek (Louis Berger Group) to B. Conetta (EPA) re: *Review of Selected Data Targets for General Electric Upper Hudson River Modeling System*
- 423. December 17, 2010 *EPA Decision Regarding Changes to the Phase 1 Engineering Performance Standards, the Phase 1 Quality of Life Performance Standards, the Statement of Work, and the Scope of Phase 2 Pursuant to Paragraph 15.b of Consent Decree*. Includes transmittal letter from EPA (Mugdan) to GE (Klee) and attachments
- 424. All GE Phase 1 Corrective Action reports and memoranda for Phase 1
- 425. All Site-related data, including fish, sediment, water column data, from before, during, and after Phase 1
- 426. All GE weekly productivity reports submitted for Phase 1
- 427. All GE residuals sampling weekly progress reports for Phase 1

CONFIDENTIAL FILE

1. Attachment and hard drive transmitted by June 8, 2010 AQ to Garbarini: Upper Hudson River Model Transfer. Information related to computer code subject to CBI claim.
2. Source code transmitted by July 16, 2010 AQ (Benaman) to EPA & EPA Consultants email re: Upper Hudson River Model – Source Code Transfer. Information related to computer code subject to CBI claim.
3. Users Manual for AQ Upper Hudson River model (attachment to July 18, 2010 email from AQ (Israelsson) to EPA and EPA consultants). Users manual subject to CBI claim.
4. Long-term calibration and validation files transmitted by July 29, 2010 AQ to EPA (Garbarini) letter. Information related to computer code subject to CBI claim.
5. July 30, 2010 AQ to EPA Contractors: Addition AQ IDL Routines – transmittal instructions. Information related to computer code subject to CBI claim.
6. Computer code transmitted by August 10, 2010 AQ to Garbarini – Hard drives containing scenario files for the UHR Modeling System. Information related to computer code subject to CBI claim.